

WHAT IS CLAIMED IS:

5 1. A portable collapsible environmental control apparatus comprising:

 a framework having a set of extendable vertical supports,
 a collapsible horizontal support element extending
between vertical supports at the base of the second vertical
10 supports,

 first collapsible supports extending between a pair of
adjacent vertical supports along the lengthwise dimension of
the enclosure,

 second collapsible supports extending between a pair of
15 adjacent vertical supports along the widthwise dimension of
the enclosure,

 a plurality of sliders mounted on each vertical support
and connected to a bottom portion of each of the first and
second collapsible supports and

20 a flexible collapsible containment envelope secured to
the interior of the framework and extending from the top of
the enclosure downward to enclose the sides and bottom of the
enclosure wherein the vertical supports can be raised to
ceiling level and held in position against the ceiling to
25 create a controlled environment within the control apparatus.

2. A control apparatus according to claim 1 comprising a
first and second set of vertical supports, the second set
being telescopically received in the first set.

30 3. An apparatus according to claim 2 including a collapsible
horizontal frame adapted to telescopically engage the vertical
supports removably mounted at the top of the framework.

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4. A control apparatus according to claim 3 wherein the
envelope is open at the top to facilitate working in ceiling
5 cavities.

5. A control apparatus according to claim 4 including a
removable opening in a vertical side of the envelope to permit
ingress and egress of a worker when the enclosure is placed in
10 working relation with a ceiling cavity.

6. A control apparatus according to claim 5 including at
least one duct extending through the envelope from the
interior to the exterior of the enclosure.
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7. A control apparatus according to claim 6 having a filter
apparatus connected to the duct for collecting airborne
particulates drawn into the enclosure.

8. A control apparatus according to claim 7 including a
second duct extending through the envelope from the interior
to the exterior of the enclosure.
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9. A control apparatus according to claim 8 having a
negative air machine connected to the second duct for creating
negative air pressure within the enclosure.
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10. A control apparatus according to claim 9 wherein a pair
of wheels are attached to the enclosure at the base of the
framework to facilitate moving the apparatus in the collapsed
30 condition.

11. A portable collapsible environmental control apparatus
comprising:

35 a collapsible framework including extendable and

retractable vertical and horizontal supports,
a closed flexible impermeable envelope secured to the
5 framework on the interior thereof, the framework and envelope
when in the fully erected condition defining a working
enclosure of sufficient interior size to permit a fully erect
worker to function;and

10 a four sided extension attached to a side of the envelope
adapted to be sealably attached around a door opening to
isolate the environment of a room within.

12. A control apparatus according to claim 11 having at least
one removable access panel in the envelope to permit access to
15 and from the enclosure.

13. A control apparatus according to claim 12 having at least
one transparent section in the side of the envelope to permit
viewing into and out of the enclosure.

20 14. A control apparatus according to claim 13 having at least
one part port in the side of the envelope for the attachment
of air pressure reducing equipment.

25 15. A control apparatus according to claim 12 wherein the
access panel is in the side of envelope opposite the four-
sided extension.

30 16. A control apparatus according to claim 12 wherein two or
more removable access panels are provided in the sides of the
envelope.

35 17. A control apparatus according to claim 12 wherein the
removable panel is provided in the top of the envelope.

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18. A control apparatus according to claim 14 wherein the
port is mounted in a removable panel.

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